

## Informatica Online Training Course Content

### **Faculty: Real time and certified**

(Includes theoretical as well as practical sessions)

### **INTRODUCTION TO DATAWAREHOUSING**

Data Warehousing Concepts

Informatica Online Training Course Content:

Data Warehousing Concepts

1. Data Warehouse
2. Data Mart
3. OLAP VS OLTP
4. Data Warehouse Architecture (Basic)
5. Data Warehouse Architecture (with a Staging Area)
6. Dimensional Modeling
7. Star Schema
8. Snowflake Schema
9. Dimension
10. Fact
11. Slowly Changing Dimension
12. Hierarchy
13. Confirmed Dimension
14. Fact less Fact
15. Summary / Aggregations table
16. Change Data capture

E T L Informatica Power Center 9

1. Power Center Components

- a) Designer
- b) Repository Manager
- c) Workflow Manager
- d) Workflow Monitor

2. Informatica Concepts and Overview

- a) Informatica Architecture.
- b) Source Qualifier

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- c) Target Designer
- d) Transformations
- e) Mappings
- f) Mapplets
- g) Sessions
- h) Tasks

3. Sources

- a) Working with relational Sources
- b) Working with Flat Files

4. Targets

- a) Working with Relational Targets
- b) Working with Flat file Targets

5. Transformations

- a) Expression Transformation
- b) Lookup Transformation
- c) Sequence Generator Transformation
- d) Filter Transformation
- e) Joiner Transformation
- f) Sorter Transformation
- g) Procedural Transformation
- h) Router Transformation
- i) Aggregator Transformation
- j) Update Strategy Transformation
- k) Union Transformation
- L) Rank Transformation
- M) Transaction Control Transformation
- N) Normalizer Transformation
- O) Source Qualifier Transformation
- P) Stored Procedure Transformation
- Q) XML Source Qualifier Transformation
- R) Debugging Mappings

6. Power Center Transformation Language

- a) Numeric functions
- b) String Functions
- c) Date Functions
- d) Conversion Functions
- e) Cleansing Functions
- f) Aggregate Functions
- g) User Defined Functions

7. ADVANCED INFORMATICA CONCEPTS

- a). Unconnected lookup Transformation
- b). Unconnected Stored Procedure to Create and Drop Index
- c). Mapplet and Types of Mapplets
- d). Defining Reusable Transformations.
- e). User Defined Functions.
- f). Tasks And Types of Tasks.
- g). Worklet and Types of Worklets.
- h). Scheduling Work flow
- i). Constraint Based Load Ordering.
- j). Target Load Plan
- k). Types of Batch Processing
- l). Link conditions
- m). Mapping Parameters
- n). Mapping Variables
- o). Defining Session Parameters
- p). Session Recovery
- q). Difference Between Normal and Bulk Loading.
- r). Push Down Optimization.
- s). PMCMD Utility
- t). PMREP Utility
- u). Incremental Aggregation
- v). TYPES Of LookUp Caches.
  - a) Static LookUp Cache
  - b) Dynamic LookUp Cache
  - c) Perisistance lookup Cache
  - d) Shared LookUp Cache
- w). Sorter and Rank Cache.
- x). ETL UNIT Testing (8 test Cases)
- y). ETL PERFORMANCE TESTING (3 test cases)
- z). ETL Performance Optimization techniques
- za). Task Implementations.
  - 1 Session
  - 2 Command
  - 3 EMAIL
  - 4 Timer
  - 5 Event Wait
  - 6 Event Raise
  - 7 Decision
  - 8 Assignment
  - 9 Control
  - 10 Worklet

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